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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Applicati n Number	09/989,981
Filing Date	November 20, 2001
First Named Inventor	Hobbs, Helen H.
Group Art Unit	1632
Examiner Name	Not yet assigned
Attorney Docket Number	18781-007320

Total Number of Pages in This Submission 1

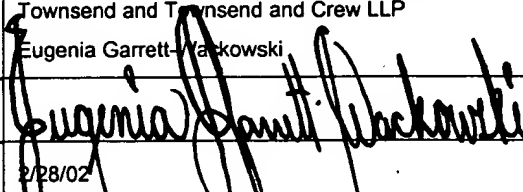
ENCLOSURES (check all that apply)

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|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment / Response
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<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
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<input type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)
<input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input checked="" type="checkbox"/> Powers of Attorney and Statements Under 37 CFR 3.73(b) w/copy of assignment (for Tularik Inc. and Board of Regents, The University of Texas System)
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure (please identify below):
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Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP Eugenia Garrett-Jackowski	Reg. No. 37,330
Signature		
Date	2/28/02	

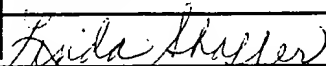
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2/28/02

Typed or printed name Linda Shaffer

Signature



Date

2/28/02

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WC 9038111 v1



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Attorney Docket No.: 18781-007320

ASSIGNMENT OF PROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Helen H. Hobbs, of 5117 Palomar, Dallas, Texas 75229; and Robert Barnes, of 8583 Santa Clara, Frisco, Texas 75034; hereinafter referred to as "Assignors," are inventors of the invention described and set forth in the below-identified provisional patent application:

Title of Invention: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS
OF USE

Filing Date: November 20, 2001

Application No.: 09/989,981; and

WHEREAS, Board of Regents, The University of Texas System, located at 201 W. 7th Street, Austin, TX 78701, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

COPY

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/17/02

Helen H. Hobbs
Helen H. Hobbs

SIGNATURE WITNESSED BY:

(1) Dated: 1/17/02

Kathleen J. Neill

(2) Dated: 1/17/02

Susan L. Hays

Dated: 1/18/02

Robert Barnes
Robert Barnes

SIGNATURE WITNESSED BY:

(1) Dated: 1/18/02

Susan L. Hays

(2) Dated: 1/18/02

Kathleen J. Neill

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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Applicati n Number	09/989,981
Filing Dat	November 20, 2001
First Named Inventor	Hobbs, Helen H.
Title	ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE
Group Art Unit	1632
Examiner Name	Not Yet Assigned
Attorney Docket Number	18781-007320

I hereby appoint:

☒ Practitioners at Customer Number

20350

Place Customer
Number Bar Code
Label here

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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OR

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☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of an undivided part interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Cullen M. Godfrey
Signature	<i>Cullen M. Godfrey</i>
Date	February 7, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 form is submitted.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Helen H. Hobbs, Bei Shan, Robert Barnes and Hui Tian

Application No./Patent No.: 09/989,981

Filed/Issue Date: November 20, 2001

Entitled: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Board of Regents, The University of Texas System, a non-profit organization

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

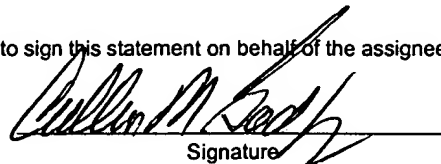
☐ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

January 23, 2002

Date


Signature

Cullen M. Godfrey

Typed or printed name

Vice Chancellor and General
Counsel Title

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WC 9036230 v1



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Attorney Docket No.: 18781-007320

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Bei Shan of 349 Quay Lane, Redwood City, California 94065; and Hui Tian of 685 Beach Park Blvd., Foster City, California 94404; hereinafter referred to as "Assignors," are inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Filing Date: November 20, 2001

Application No.: 09/989,981; and

WHEREAS, Tularik Inc., a corporation of the state of Delaware, located at Two Corporate Drive, South San Francisco, California 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 1/21/02


Bei Shan

SIGNATURE WITNESSED BY:

(1) Dated: 1/21/02



(2) Dated: 1/21/02

S. Sule

Dated: 1/21/02

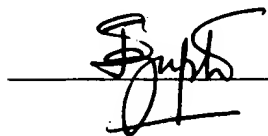

Hui Tian

SIGNATURE WITNESSED BY:

(1) Dated: 1/21/02



(2) Dated: 1/21/02



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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Applicati n Number	09/989,981
	Filing Date	November 20, 2001
	First Named Inventor	Hobbs, Helen H.
	Title	ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE
	Group Art Unit	1632
	Examiner Name	Not Yet Assigned
	Attorney Docket Number	18781-007320

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☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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Address					
Address					
City		State		ZIP	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of an undivided part interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Christopher J. Smith
Signature	
Date	1/22/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 form is submitted.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Helen H. Hobbs, Bei Shan, Robert Barnes and Hui TianApplication No./Patent No.: 09/989,981Filed/Issue Date: November 20, 2001Entitled: ABCG5 AND ABCG8: COMPOSITIONS AND METHODS OF USE

Lularik Inc. a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

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The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

1/22/02
Date

Christopher J. Smith
Signature

Christopher J. Smith
Typed or printed name

Director of IP
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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